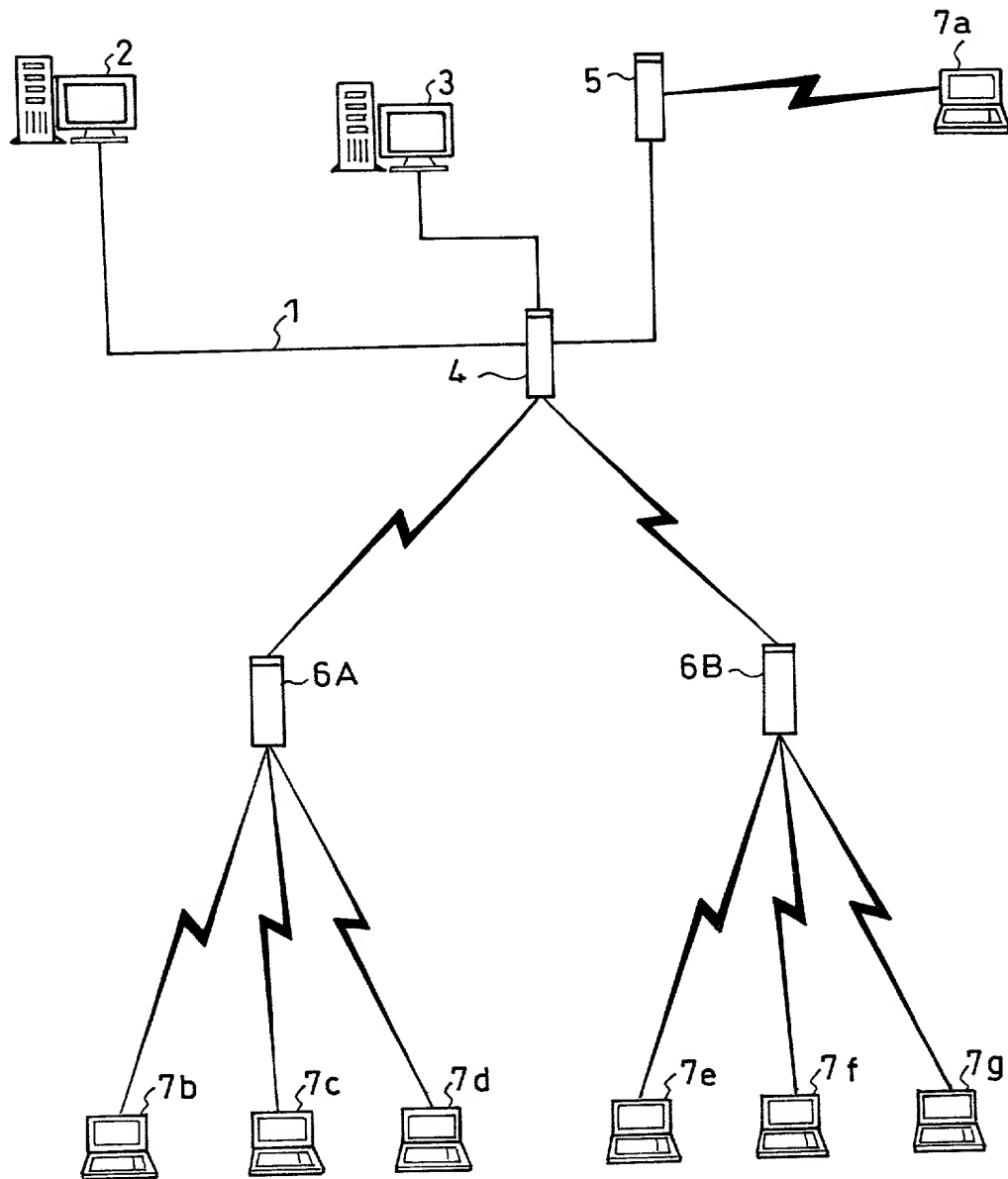
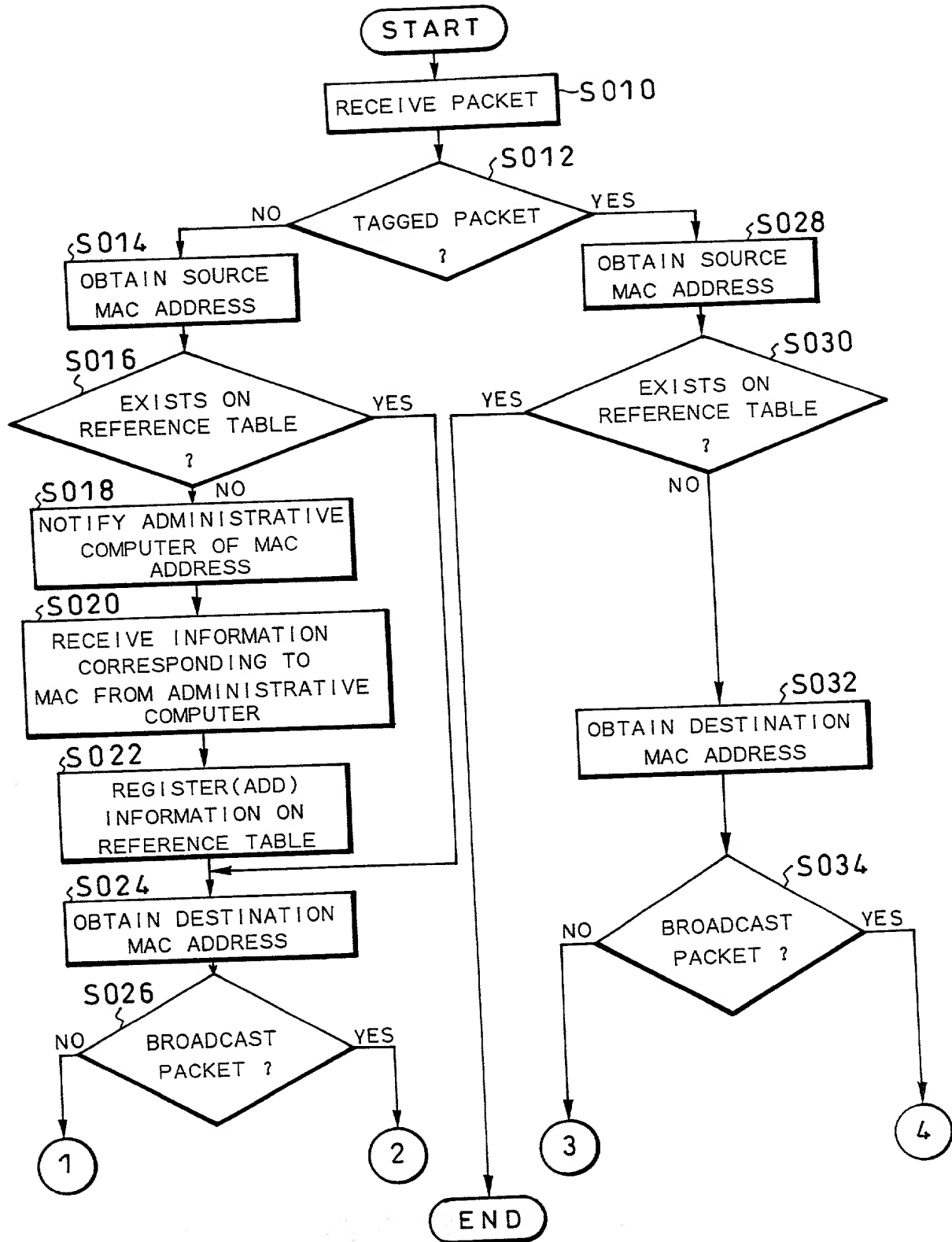


FIG. 1



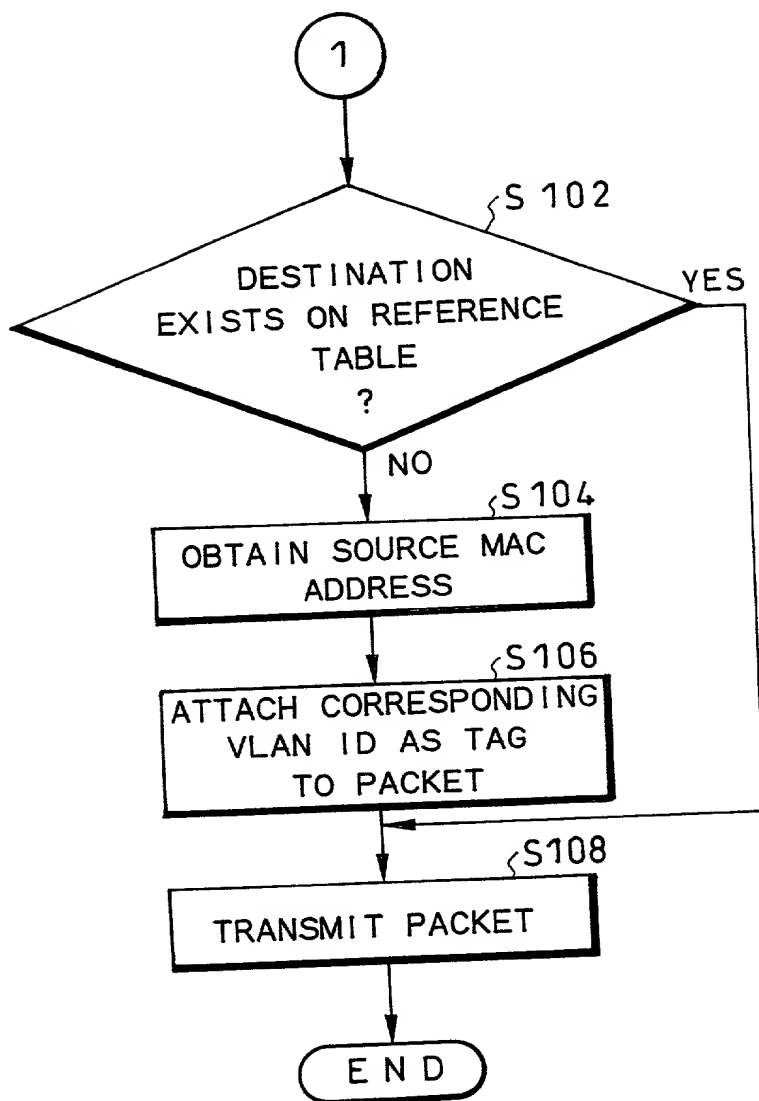
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FIG. 2



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FIG. 3



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FIG. 4

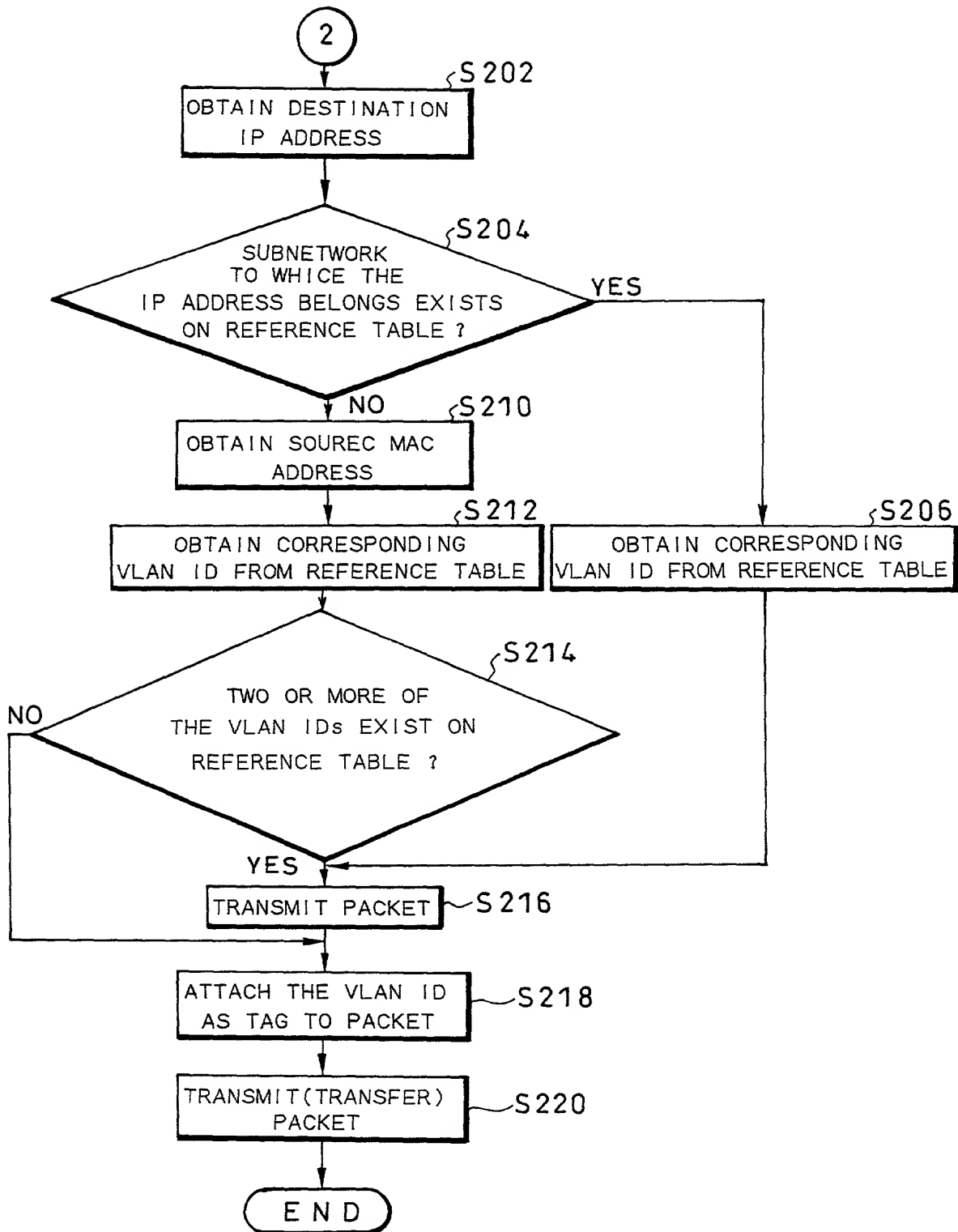


FIG. 5

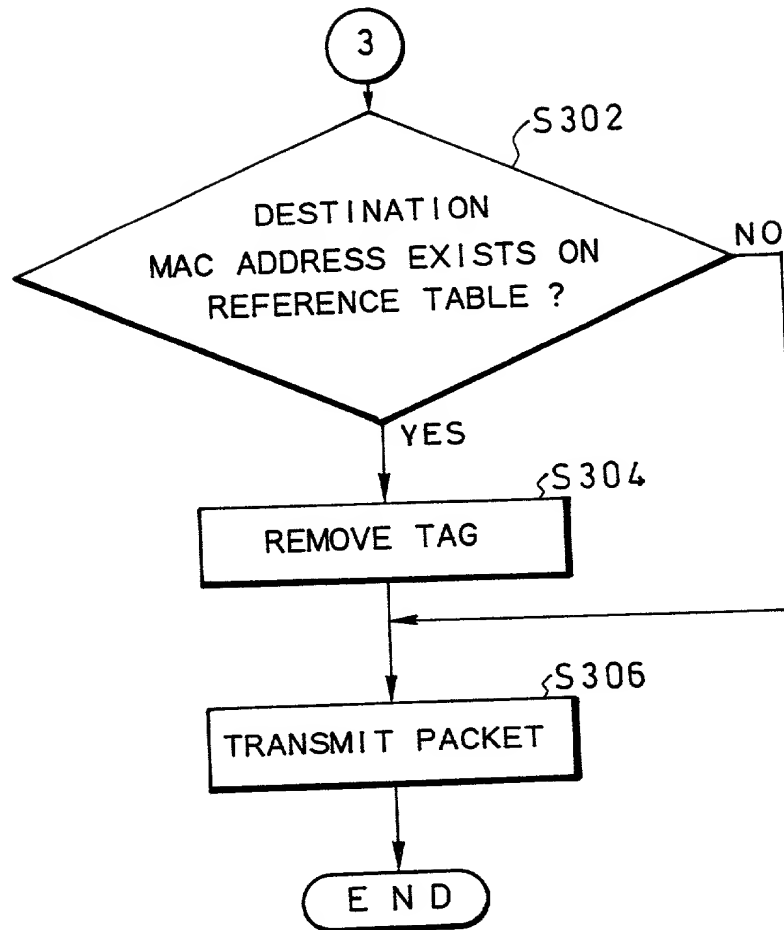


FIG. 6

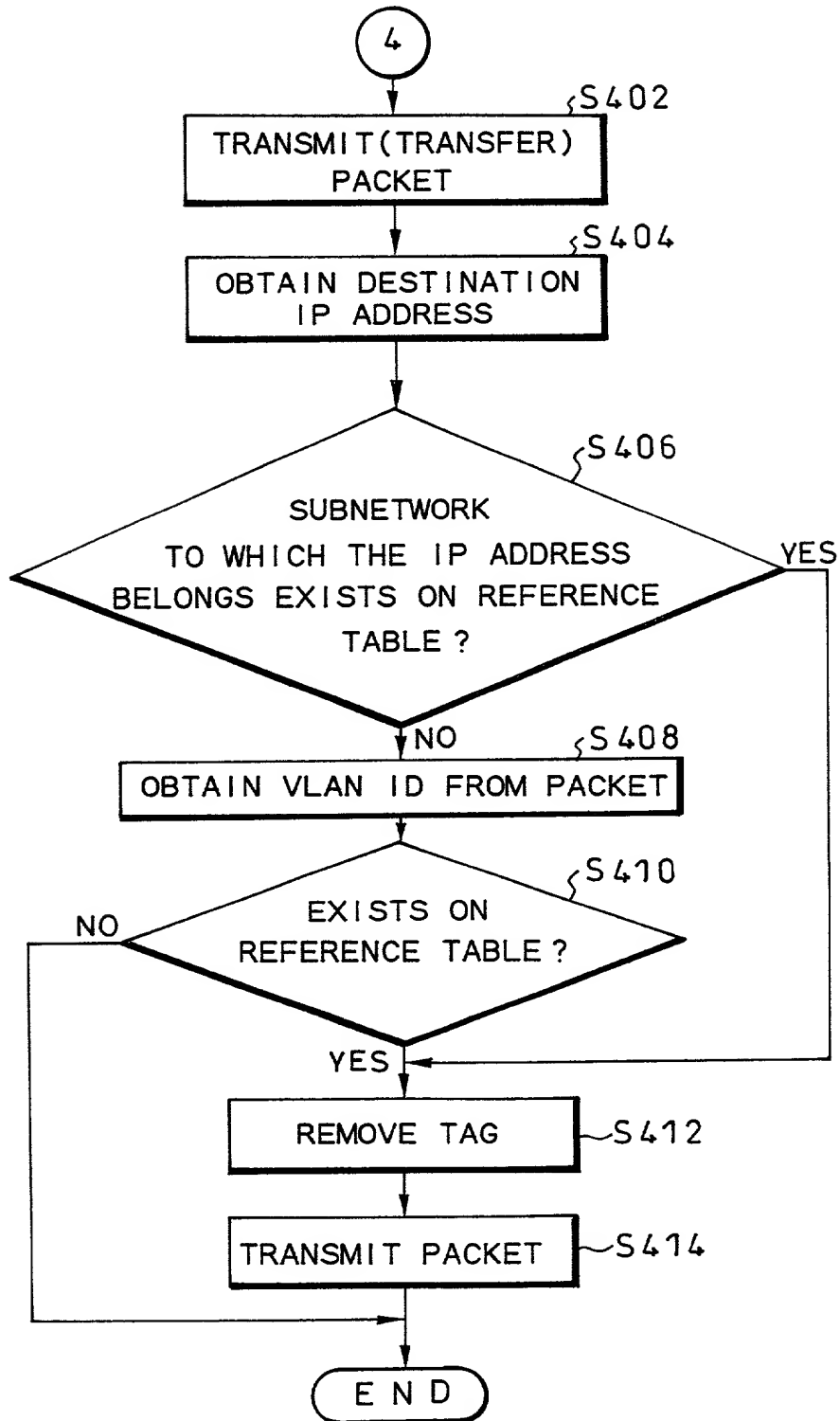


FIG. 7(A)

VLAN GROUP	MAC ADDRESS
VLAN1	XXXX1

FIG. 7(B)

VLAN GROUP	MAC ADDRESS
VLAN1	XXXX2
	XXXX3
VLAN2	XXXX4

FIG. 7(C)

VLAN GROUP	MAC ADDRESS
VLAN2	XXXX5
VLAN3	XXXX6
	XXXX7

FIG. 9

MAC ADDRESS	VLAN IP	IP ADDRESS	SUBNET MASK
00-11-22-33-44-55	17	192.168.17.32	255.255.255.0
11-22-33-44-55-66	23	192.168.23.32	255.255.255.0
⋮	⋮	⋮	⋮

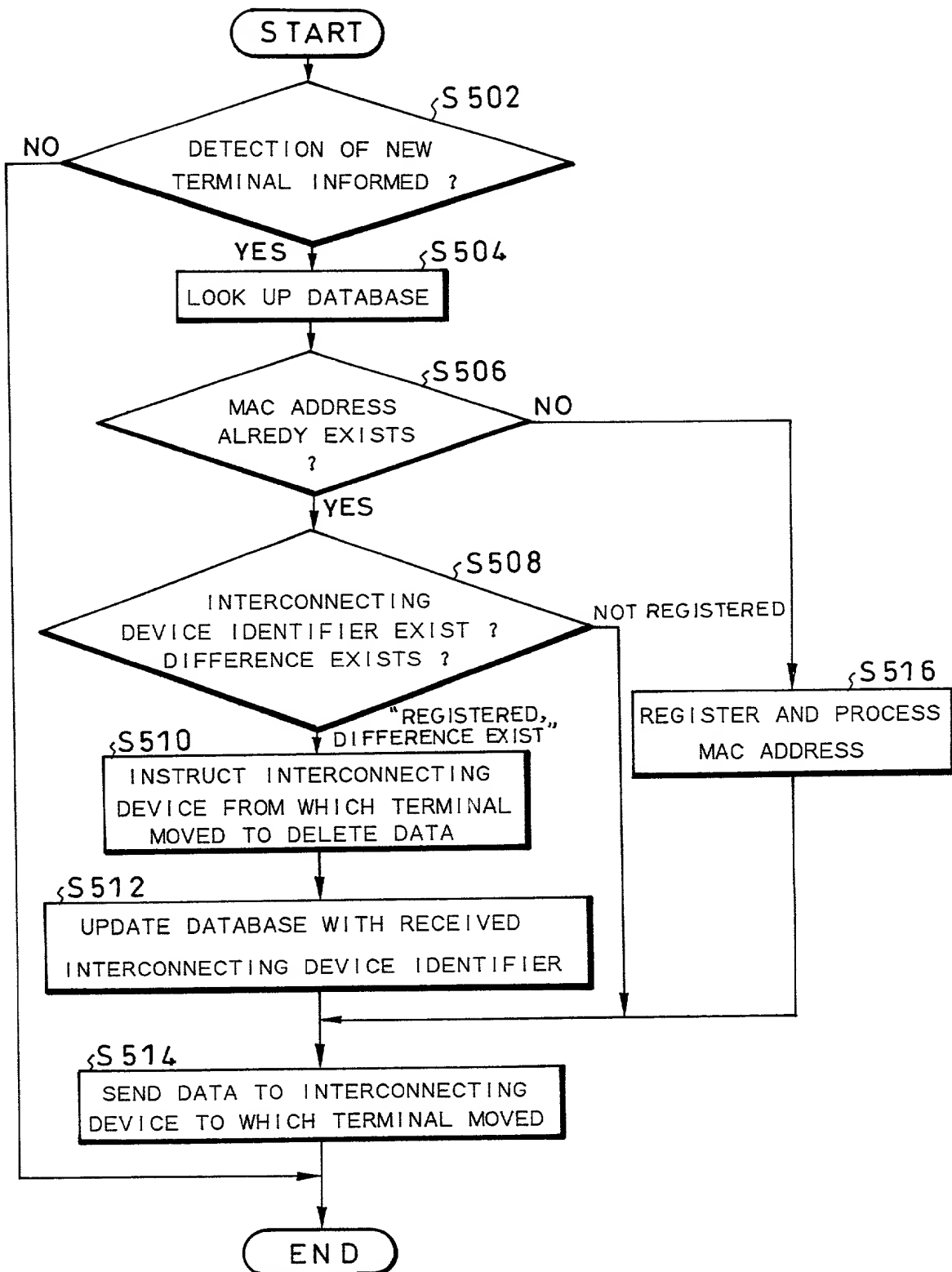
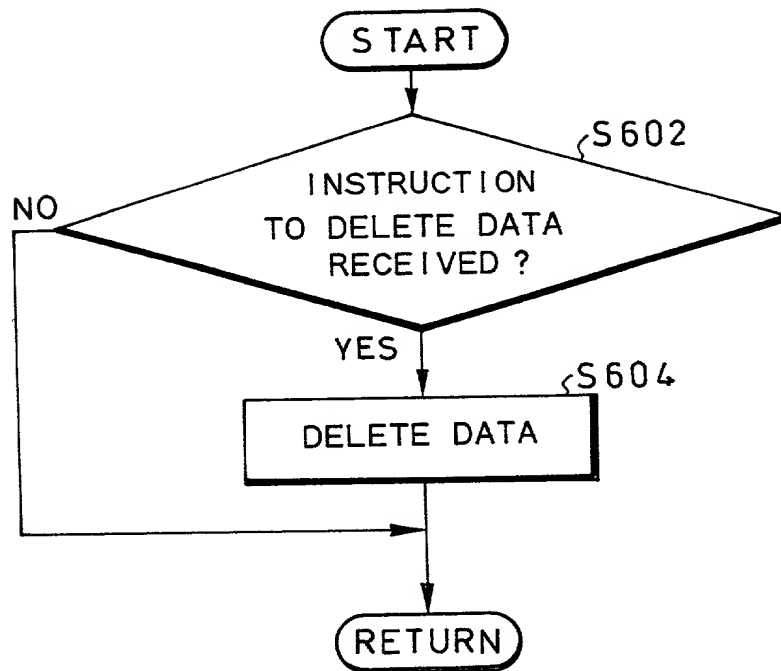


FIG. 11

VLAN GROUP	USER ID	PASSWORD	MAC ADDRESS	VLAN ID	IP ADDRESS	SUBNET MASK	INTERCONNECTING DEVICE
VLAN1	aaaaa	*****	00-22-37-AB-66-83	17	192.168.17.32	255.255.255.0	6B
	bbbbbb	*****					
	:	:	00-51-86-CD-76-10	17	192.168.17.XX	255.255.255.0	6A
	:	:	:	:	:	:	
VLAN2	ddddd	*****			192. ~ 3X	255. ~ X	7a
	fffff	*****	00-01-27-EF-60-11	XX	~	~	
	:	:	00-00-10-GF-51-20	XX			
	:	:	:				
VLAN3	ggggg	*****	00-11-02-HI-12-35	XX			
	hhhhh	*****					
	iiiiii	*****					
	:	:	:	:	:	:	:



The diagram illustrates a network architecture. A central hub (5b) is connected to several devices. Device 2 (a desktop computer) is connected to the hub via a line labeled 1. Device 3 (another desktop computer) is also connected to the hub. Device 5a (a vertical server rack) is connected to the hub and also has a wireless connection (indicated by a lightning bolt) to device 7a (a laptop). The hub (5b) is also connected via wireless links (indicated by lightning bolts) to three other laptops: 7b, 7c, and 7d.